

MICHIGAN  
DEPARTMENT OF TRANSPORTATION

SUPPLEMENTAL SPECIFICATION  
FOR  
**ASBESTOS REMOVAL AND DISPOSAL**

C&T:DBP

1 of 4

C&T:APPR:EMB:JCW:08-10-06

**a. Description.** Arrange for removal, and disposal of all asbestos containing materials from the demolition and renovation of buildings and structures on this project. Ensure that all activities are carried out in compliance with applicable Federal, State, and Local laws and regulations. Submit the required notification to regulatory agencies and revise this notification as necessary. Reimburse the Department for any fines or remediation costs incurred as a result of failure to be in compliance with this specification and/or all Federal, State, and Local laws and regulations.

This specification provides general information and does not ensure compliance with environmental laws. Environmental laws pertaining to asbestos removal and disposal include, but may not be limited to the following.

- Michigan Air Pollution Act 1965, P.A. 348, as amended
- MCL 336.11, etc., seq. MSA 14.58(a), etc., seq.
- Federal Clean Air Act
- National Emissions Standards for Hazardous Air Pollutants (NESHAP), Subpart M
- Asbestos Standards of 40 CFR 61.140 through 61.156
- Occupational Safety and Health Act 154 of 1974, as amended
- Public Act 440 of 1988
- Public Act 135 of 1986, as amended
- Federal OSHA Asbestos Construction Standard, 29 CFR 1926.58

A copy of the National Emission Standards for Hazardous Air Pollutants (NESHAP) Asbestos Regulations, 40 CFR Part 61, Subpart M can be obtained by written request to Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909. Copies of 29 CFR 1926.58, Acts 135, 154, and 440 can be obtained by calling the Michigan Department of Labor and Economic Growth (MDLEG), Construction Safety and Health Division, Asbestos Program at 517-322-1320.

**b. Notification.** Provide notice before the start of any demolition or renovation of a structure or building. The start date is the date work is to begin on the removal of friable asbestos containing materials or the demolition of a structure or building. For each building or structure, complete a separate Notification of Intent to Renovate/Demolish (Form EQP 5661), co-sign as owner/operator with the Department, and submit to the regulatory agencies specified on the form. Mailing addresses are included on the form.

1. Provide a minimum of ten (10) working days notice to the Air Quality Division of the Michigan Department of Environmental Quality (DEQ); the NESHAP Asbestos Program, Detroit Field Office, MDEQ, AQD, Cadillac Place, Suite 2-300, 3058 West Grand

Boulevard, Detroit, MI 48202, Ph. 313-456-4686 (for projects in Wayne County); and U.S. Environmental Protection Agency (EPA), (for projects outside of Wayne County) NESHAP Asbestos Program, MDEQ, AQD, P.O. Box 30260, Lansing, Michigan 48909-7760, Ph. 517-372-7064, for demolition of any building or structure and for the renovation of any building or structure for which the amount of friable asbestos containing materials equals or exceeds **any** of the following limits.

- 260 feet                      on pipes
  - 160 square feet        on other facility components
  - 35 cubic feet            on other components that cannot be measured in length or area
2. Provide a minimum of ten (10) calendar days notice to the Michigan Department of Labor and Economic Growth (DLEG), Construction Safety and Health Division, Asbestos Program of all demolition, renovation, or encapsulation projects (as defined by Act 135) where the amount of friable asbestos containing materials exceeds **any** of the following limits.
- 15 feet                      on pipe
  - 9 square feet            on other facility components
3. If the start date is changed for any reason, immediately notify the following agencies and the Engineer, by telephone, and provide them with the new start date.
- Air Quality Division of the DEQ, 517-373-7064 (all counties except Wayne County)
  - NESHAP Asbestos Program, Detroit Field Office, MDEQ, AQD, Cadillac Place, Suite 2-300, 3058 West Grand Boulevard, Detroit, MI 48202, 313-456-4686 (Wayne County only)
  - Michigan Department Labor and Economic Growth (DLEG), Construction Safety and Health Division, Asbestos Program, 517-322-1320

Prior to the original start date provide these agencies with a copy of the original Notification of Intent to Renovate/Demolish with the old start date crossed out and the new start date inked in and signed. Under no circumstances is the removal of friable asbestos containing materials or the demolition of a building or structure to begin on a date other than the start date provided to the Air Quality Division of the DEQ, the NESHAP Asbestos Program, Detroit Field Office, MDEQ, AQD (for projects in Wayne County), or to the MDCIS.

4. If, for any reason, the completion date changes from that noted on the Notification of Intent to Renovate/Demolish, immediately notify the MDEQ Asbestos Program by telephone 517-373-7064 or the NESHAP Asbestos Program, Detroit Field Office, MDEQ, AQD (for projects in Wayne County) at 313-456-4686 and provide them with the new completion date. Make this notification of change of completion date no later than the original completion date or the new completion date, if this date is earlier.
5. Send a check or money order, made payable to the State of Michigan, to the MDLEG with the Notification of Intent to Renovate/Demolish. This MDLEG asbestos project fee is one percent of the cost of removal or encapsulation of the friable asbestos containing materials from the building or structure to be renovated or demolished. The notice is

invalid and will not be accepted without the check or money order for the asbestos project fee.

6. If the amount of friable asbestos containing materials to be removed, stripped, or disturbed changes by at least 20 percent of the amount noted on the original notification, prepare and submit a revised Notification of Intent to Renovate/Demolish. Send the revised form to all agencies who received a copy of the original Notification of Intent to Renovate/Demolish and to the Engineer. Show all changes by neatly crossing out the original data and inking in the correct data.

Attach a check or money order for the additional asbestos project fee to the revised Notification of Intent to Renovate/Demolish sent to the MDLEG. The additional fee is one percent of the additional cost of removal or encapsulation of friable asbestos materials.

**c. Asbestos Removal Activity.** At the time of any demolition or asbestos removal, stripping or disturbance, a person must be on site who has been trained and possesses means and authority for complying with the rules and regulations of handling and disposing of asbestos containing materials. This person must have in his/her possession documentation of completing the 32-hour hazardous material training course for Contractors and supervisors.

Prior to demolition of a building or structure, remove all materials containing friable and non-friable asbestos that is identified in the inspection report that are likely to become friable during removal. Prior to renovating buildings and structures, remove all friable asbestos material that is to be disturbed. This work must be completed by a licensed asbestos abatement Contractor.

If wetting of asbestos containing materials is suspended due to freezing temperatures, record the ambient air temperature three times each day at the asbestos removal site. Provide a signed copy of the temperature records to the Engineer for the project file. These temperature records must be kept in the project file for a minimum of two years.

**d. Waste Shipment and Disposal.** Arrange for a licensed waste transporter to transport all asbestos containing material, friable and non-friable, immediately and directly to a licensed Type II landfill. Fill out and sign the generator section of the Waste Shipment Record, (DEQ Air Quality Division form EQP 5661) for the disposal of both friable and non-friable asbestos containing materials. Provide a copy of the form to the Engineer immediately after signing.

After the owner/operator of the disposal site signs the form, immediately provide a copy to the Engineer. If this second copy of the Waste Shipment Record, signed by the owner/operator of the disposal site, is not received by the Engineer within 35 working days of receiving the first copy, the Engineer will contact the Contractor, the waste transporter, and owner/operator of the disposal site and determine the status of the asbestos materials shipment.

If the Engineer does not receive the second copy of the Waste Shipment Record, signed by the owner/operator of the waste disposal site, within 45 working days of the date the waste was accepted by the initial waste transporter, the MDEQ must be notified, in writing, at the following address.

NESHAP Coordinator  
MDEQ, Air Quality Division  
P.O. Box 30260  
Lansing, Michigan 48909-7760

**e. Measurement and Payment.** Payment for work completed under this supplemental specification will be paid at invoice cost in accordance with subsection 103.04 of the 2003 Standard Specifications for Construction. A budget amount has been established for payment for the investigation, removal, and disposal of asbestos containing materials. Obtain prior approval of the Engineer for final details and costs of the investigation, removal, and disposal of the asbestos containing materials. Provide invoices from the accredited asbestos inspector, the licensed asbestos abatement Contractor and the licensed disposal facility. These invoices and the MDLEG asbestos project fee will be reimbursed from the budgeted amount.

**Contract Item (Pay Item)****Pay Unit**

Removal and Disposal of Asbestos Materials.....Dollars